

References

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UMBILICAL CORD BLOOD SERUM EYEDROPS



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BIOSCIENCES

OptiSerum [cb][™]

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Failure of ocular surface epithelia occurs in many clinical conditions. The core of medical management is to stabilise or promote new growth of healthy conjunctival and corneal epithelia.



Product Benefits

Umbilical Cord Blood Serum:

- Has been shown to be **effective in the treatment of ocular surface disorders**;^{1,2}
- Contains many growth factors needed for **epithelial renewal**, as well as **important tear components**;²
- Possesses a **bacteriostatic** effect due to anti-bacterial agents such as IgG, lysozymes and complement found in the serum;²
- **Does not contain any preservatives** and therefore preservative toxicity can be avoided;
- Is collected in large volumes during delivery, and prepared in advance, therefore **reducing waiting time**;
- Confers **NO immunogenicity** and is particularly useful in patients with auto-immune diseases and those with poor general health;
- Found to be **more effective than autologous serum eye drops** in healing epithelial defects, due to **2-3 times higher levels of growth factors** in umbilical cord serum.^{4,5,6}



Indications

The efficacy of Umbilical Cord Blood Serum has been demonstrated in the following conditions:

- Severe Dry eye with or without primary Sjögren's syndrome²
- Ocular Graft-Versus-Host-Disease (GVHD)⁶
- Persistent Epithelial Defects⁴
- Recurrent corneal erosions⁷
- Chemical burns⁵
- Neurotrophic keratitis⁸
- Post LASEK surgery⁷
- Post Corneal Transplant

Any condition that may cause delayed epithelial healing of the eye or dysfunctional tear film.

Dosage and Application Guideline

Chronic Treatment

- For the treatment of dry eyes, 1 drop in each eye QDS or as recommended by your doctor.

Acute Treatment

- 1 drop in the affected eye or eyes QDS or as recommended by your doctor.
- Treatment duration +/- 4 to 6 weeks or as prescribed by ophthalmologist

*Drops should be discarded after 7 days of use.

Product and Storage Information

OptiSerum [cb]™ is packaged in 5ml dropper bottles. Each bottle contains 4.5ml cord blood serum (20% dilution with B55)

OptiSerum [cb]™ can be kept up to one year in a home freezer (-20°C). Once thawed and in use the eye drops must be kept refrigerated at 4°C for a maximum of 7 days.

Source of cord blood serum

OptiSerum [cb]™ eye drops are prepared from the umbilical cord blood collected from donors during the birthing process. All donors are sourced and counselled through the Netcare Transplant Unit.

All donors sign an informed consent and are screened for the following transmissible diseases: HIV, hepatitis B & C, HTLV, Syphilis and CMV.

All samples are tested for bacterial and fungal contamination to ensure sterility of the product.

How to order:

Email: orders@netcells.co.za

Telephone: 011 697 2900

